

ELECTRICALLY CONDUCTIVE ADDITIVE SYSTEM AND METHOD OF MAKING SAME

ABSTRACT

An electrically conductive additive system comprising carbon nanofibers and, optionally, electrically conductive particulate material mixed in a liquid component. The carbon nanofibers can be characterized by having a diameter between about 70 to about 200 nanometers, a length between about 50 to about 100 microns, graphitic planes having a stacked cone-type structure, and a dispersive surface energy ranging between about 20 to about 285 mJ/m².